

# Comparisons of Job Characteristics

**Focus Occupation:** [Layout Workers, Metal and Plastic \(51-4192\)](#)

**Associated Occupation:** [Structural Iron and Steel Workers \(47-2221\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

**Focus Occupation:** Layout Workers, Metal and Plastic (51-4192)  
**Associated Occupation:** Structural Iron and Steel Workers (47-2221)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	18.3	12.6	<< Extensive education and/or training may be required
Mechanical	6.8	13.5	15.1	> Current knowledge level is likely sufficient
Production and Processing	6.0	13.2	10.2	<< Extensive education and/or training may be required
Mathematics	9.2	12.5	14.7	> Current knowledge level is likely sufficient
Engineering and Technology	5.7	11.5	6.5	<< Extensive education and/or training may be required
Design	5.2	11.2	12.8	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 80

**Focus Occupation:** Layout Workers, Metal and Plastic (51-4192)  
**Associated Occupation:** Structural Iron and Steel Workers (47-2221)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	11.2	6.9	<< Extensive development of skills in this area may be required
Operation and Control	5.4	10.8	6.6	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.2	8.0	< A higher skill level may be required
Repairing	3.4	6.2	4.7	< A higher skill level may be required
Equipment Selection	3.3	6.1	6.0	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 53			
Focus Occupation: Layout Workers, Metal and Plastic (51-4192) Associated Occupation: Structural Iron and Steel Workers (47-2221)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Static Strength	5.0	16.6	7.2	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	15.3	9.0	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	14.3	10.4	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	13.5	9.4	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	13.3	7.5	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	13.0	3.1	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	12.6	7.2	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.6	8.2	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	11.5	4.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	8.5	3.8	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	6.8	2.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 84
<b>Focus Occupation: Layout Workers, Metal and Plastic (51-4192)</b> <b>Associated Occupation: Structural Iron and Steel Workers (47-2221)</b>		
Work Activities	Exclusivity of Activity	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Make independent judgment in assembly procedures	64	
Operate hoist, winch, or hydraulic boom	34	
Read blueprints	10	
Recognize characteristics of metals	62	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Layout Workers, Metal and Plastic (51-4192)**

**Associated Occupation: Structural Iron and Steel Workers (47-2221)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.